

Notice of Allowability

Application No.

10/611,860

Examiner

Hoang-Vu A. Nguyen-Ba

Applicant(s)

JENTSCH ET AL.

Art Unit

2623

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment after Final filed 12/20/06.
2. ☒ The allowed claim(s) is/are 1, 2, 4-13 and 15-27.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 10/14/03
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Hoang-Vu A. Nguyen-Ba

ANTONY NGUYEN-BA
PRIMARY EXAMINER
TECHNOLOGY CENTER 2100

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Bradley Edelman on January 18, 2007.

The application has been amended as follows:

In the Claims:

1. **(Currently Amended)** A method for debugging computer program code by using debugging software, the method comprising:

including at least one type of breakpoint in the computer program code, wherein the type of breakpoint includes a conditional instruction;

activating or deactivating a plurality of breakpoints of the at least one type by a single action that causes a condition referred to in the conditional instruction to be fulfilled; ~~and~~

debugging the computer program code based at least in part on the single action[[.]]; and

storing predefinable conditions including the condition referred to in the conditional instruction and one or more additional conditions in a data array. –

3. **(Canceled)**

4. **(Currently Amended)**

at line 1, delete "3" and insert – 1 --

5. **(Currently Amended)**

at line 1, delete "3" and insert – 1 --

6. **(Currently Amended)**

at line 1, delete "3" and insert – 1 --

7. **(Currently Amended)**

at line 1, delete "3" and insert – 1 --

9. **(Currently Amended)**

at line 1, delete "3" and insert – 1 --

10. **(Currently Amended)**

at line 1, delete "3" and insert – 1 --

11. **(Currently Amended)**

at line 1, delete "3" and insert – 1 --

12. **(Currently Amended)** A computer system for debugging computer program code by using debugging software, the computer system comprising:

a memory including program instructions;

an input means for entering data;

~~a storage means for storing data; and~~

a processor responsive to the program instructions for:

including at least one type of breakpoint in the computer program code, wherein the type of breakpoint includes a conditional instruction;

activating or deactivating two or more breakpoints of the at least one type by a single action that causes a condition referred to in the conditional instruction to be fulfilled; and

debugging the computer program code based at least in part on the single action; and

a storage means for storing data, the storage means including a data array that stores one or more predefinable conditions including the condition referred to in the conditional instruction and one or more additional conditions.

14. (Canceled)
15. (Currently Amended)
at line 1, delete "14" and insert – 12 --
16. (Currently Amended)
at line 1, delete "14" and insert – 12 --
17. (Currently Amended)
at line 1, delete "14" and insert – 12 --
18. (Currently Amended)
at line 1, delete "14" and insert – 12 --
20. (Currently Amended)
at line 1, delete "14" and insert – 12 --
21. (Currently Amended)
at line 1, delete "14" and insert – 12 --
22. (Currently Amended)
at line 1, delete "14" and insert – 12 --
23. (Currently Amended)
at the end of the claim, i.e., after "debugging software, and based at least in part on the single action" delete "." and insert:

-- ; and

instructions for storing one or more predefinable conditions in a data array. --
26. (Currently Amended) The computer program product of claim 25, ~~further comprising instructions for storing the one or more predefinable conditions in a data array, which~~ wherein the data array is accessible for only one type of breakpoint.

EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE

2. Claims 1, 2, 4-13 and 15-27 are allowed.
3. The following is an examiner's statement of reasons for allowance.

The prior art of record, i.e., Rosenberg, as submitted by Applicants in the Remarks, pp. 9-11, fails to teach or suggest the following features, when taken in combination with the remaining features of the independent claim:

activating or deactivating a plurality of breakpoints of the at least one type by a single action that causes a condition referred to in the conditional instruction to be fulfilled;
debugging the computer program code based at least in part on the single action; and
storing predefinable conditions including the condition referred to in the conditional instruction and one or more additional conditions in a data array (currently amended claim 1). Since Claims 12 and 23 recite a computer system and a computer program product version of claim 1, respectively, these claims are thus allowable the same reasons.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Hoang-Vu A. Nguyen-Ba whose telephone number is (571) 272-3701. The Examiner can normally be reached on Tuesday - Friday from 7:15 – 17:35.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's Supervisor, John Miller can be reached at (571) 272-7353.

The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application should be directed to the TC 2600 Group receptionist: 571-272-2600.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, reading "Hoang Anton Nguyen Ba". The signature is written in a cursive, flowing style.

ANTONY NGUYEN-BA
PRIMARY EXAMINER
TECHNOLOGY CENTER 2100

January 18, 2007